

Claims

[c1] I claim:

1.A device including a horizontal and vertical ruler attached by a sliding attachment bracket, a circular plate showing 360 degrees of the circle attached to the horizontal ruler along with a pivoting ruler that can rotate 360 degrees around the circular plate.

[c2] 2.A pivoting ruler according to claim 1, which revolves to different angles (θ), can be used to measure the height of the vertical ruler (Y) where they intersect.

[c3] 3.A vertical ruler according to claim 1, which can slide along the horizontal ruler, can be used to measure the length of the horizontal ruler (X) where they intersect.

[c4] 4.A vertical ruler according to claim 1, which can intersect the pivoting ruler and measure the length of the pivoting ruler (R).

[c5] 5. A device according to claim 1, which can calculate the trigonometric functions by their relationship with the measured values of X, Y, R and θ .

[c6] 6.A device according to claim 1, which allows data to be

collected that can be used to plot the curves of the trigonometric functions.